

High School to College and Career Pathway: Secondary

Area of Study: Information Technology Education



Pathway: Interactive Media Web Development & Administration

Middle School		State Requirements			High School Suggested Education Plan				College & Careers
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit—class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor's degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p>
Pre-Algebra 1.0	Elem. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	Computer Programming 1.00		
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biological Science 1.00	(1 additional credit—class of 2011)		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	Geography for Life .50	World Civilizations .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life .50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50				
			Financial Literacy	.50			Financial Literacy .50		
Keyboarding .50			Computer Tech.	.50	Computer Technology .50				
CTE Intro 1.00		1.00	Career and Technical Education	1.00					
<p>Workforce Trends</p> <p>The World Wide Web has changed the way we communicate and consume information. Millions of Web pages already exist, with more in the works. However, most people don't possess the technical know-how to launch an eye-catching Web site. That's the reason so many self-employed Web site designers are taking advantage of plentiful opportunities in this line of work.</p> <p>Get the Facts</p> <p>The American Institute of Graphic Arts reports that nine out of 10 artists have a college degree, most with a major in graphic design.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p> <p>Foundation courses taken beyond the required credits can be used as elective credit.</p>			Career and Technical Education Recommended Pathway Courses				<p>2.00 credits</p> <p>1.00 credit</p> <p>3.00 credits for completion</p>
					(Students may select individual courses for exploration, or a complete Pathway for an in-depth focus.)				
					CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL				
					Course #	Foundation Courses: (required)	Credit		
					11.0230	Web Development I	1.00		
					Choose one of the following courses:				
					11.0201	Computer Programming	1.00		
					11.0210	Multimedia I	1.00		
					11.0230	Web Development II	1.00		
					Elective Courses:				
52.0264	Business Web Design, Advanced	.50							
11.0101	Information Technology, Introduction	.50							
11.0301	Database Development I	1.00							
08.0802	e-Commerce	.50							
32.0199	Student Internship (Critical Workplace Skills)	.50							
Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.									

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<p>Sample Occupations</p> <p>> Internet Project Manager</p> <p>> Information Technology Education Teacher</p> <p>> Webmaster</p> <p>> Web Administrator</p> <p>> Web Developer</p> <p>> Web Graphic Designer</p> <p>> Web Programmer/Analyst</p>
<p>For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov.</p>

Note: For more information, talk to your school counselor.